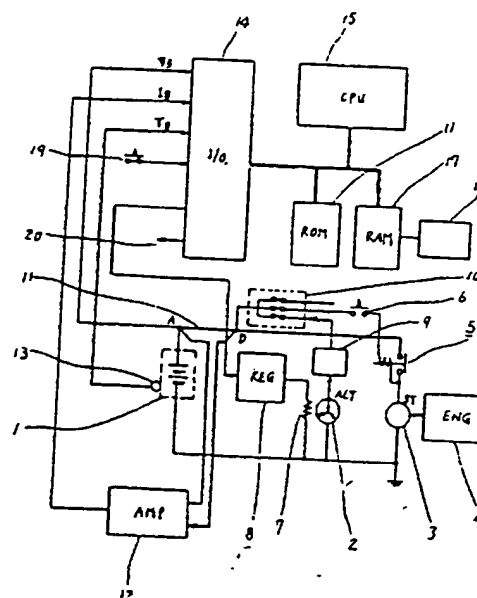


# Patent Abstracts of Japan

APPLICATION DATE : 21-07-86  
APPLICATION NUMBER : 61171375

INVENTOR : MAKIE YASUO;

TITLE : BATTERY CHARGING CONTROL AND  
DIAGNOSTIC APPARATUS FOR CAR



**CONSTITUTION:** Means 11, 12 detecting the terminal voltage and charge/discharge current of a battery 1 are provided and, during the start of an engine or immediately before the start thereof, the change relation between the discharge quantity and terminal voltage of the battery 1 due to the electric load connected to the battery 1 is calculated and function for estimating and diagnosing life or correcting function of charging control is performed from said relation. Herein, in a main technique of charging control, relational expression of charge quantity QC and discharge quantity QDC is set to  $QC=aQDC+b$  corresponding to driving history between  $a=0.5\sim 1.5$ ,  $b=10\sim 70\text{mAh/km}$  and feedback from a controller 8 to an alternator 2 is performed to carry out the stabilizing control of the battery.

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